

**CONVECTION OVEN AND RELATED AIR FLOW SYSTEM**

**ABSTRACT**

A convection oven includes a heat exchanger section and a product receiving section, the product receiving section including a door to provide access thereto. An air flow system includes at least one blower and an air flow path for enabling air to circulate from the heat exchanger section where it is heated, into the product receiving section for transferring heat to food products, and back to the heat exchanger section for further heating. The air flow path includes a passage providing flow communication between the heat exchanger section to the product receiving section, where the passage is located proximate to a wall and configured such that heated air from the heat exchanger section is directed along an internally facing surface of the wall so as to attach to and flow along the internally facing surface of the wall from one side of the product receiving section toward an opposite side of the product receiving section.

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